

ABSTRACT OF THE DISCLOSURE

A method for recovering much of the carbon and chlorine value in the heavy ends and other undesired by-products formed during the production of a C<sub>3</sub> or higher polychlorinated  
5 alkane through the reaction of carbon tetrachloride with an olefine or chlorinated olefine, the improvement comprising the step of first separating the heavy ends and any other higher or lower boiling chlorohydrocarbon impurities from most of the desired product, and subjecting the separated heavy ends and impurities therewith to a high temperature exhaustive chlorination to produce carbon tetrachloride, tetrachloroethene, and minor amounts of hexachlorobutadiene and  
10 hexachlorobenzene by-products.

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